

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/586,125
				Filing Date	July 14, 2006
				First Named Inventor	Lye et al.
				Group Art Unit	1636
				Examiner Name	Sullivan, D. M.
Sheet	1	of	6	Attorney Docket Number	MTS6USA

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)				
	AA	WO 2005-068501	07-28-2005	Lye et al.		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/586,125
				Filing Date	July 14, 2006
				First Named Inventor	Lye et al.
				Group Art Unit	1636
Examiner Name	Sullivan, D. M.				
Sheet	2	of	6	Attorney Docket Number	MTS6USA

NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
	BA	CHALLIS, "Endocrine and paracrine regulation of birth at term and preterm", Endocr Rev, 21(5):514-550 (October 2000)		
	BB	CHALLIS, "Fetal signals and parturition", J Obstet Gynaecol Res, 31(6):492-499 (December 2005)		
	BC	CHALLIS, "Transcriptional Regulation of Human Myometrium and the Onset of Labor", J Soc Gynecol Investig, 12(2):65-66 (February 2005)		
	BD	CHEN, "Identification of two regulatory elements within the promoter region of the mouse connexin 43 gene", J Biol Chem, 270(8):3863-3868 (February 24, 2005)		
	BE	CONDON, "A decline in the levels of progesterone receptor coactivators in the pregnant uterus at term may antagonize progesterone receptor function and contribute to the initiation of parturition", Proc Natl Acad Sci USA, 100(16):9518-9523 (August 5, 2003: Epub July 28, 2003)		
	BF	DONG, "Identification and characterization of the protein-associated splicing factor as a negative co-regulator of the progesterone receptor", J Biol Chem, 280(14):13329-13340 (April 8, 2005: Epub January 24, 2005)		
	BG	DONG, "Intramolecular interactions between the AF3 domain and the C-terminus of the human progesterone receptor are mediated through two LXXLL motifs", J Mol Endocrinol, 32(3):843-857 (June 2004)		
	BH	DÖRING, "Ablation of connexin43 in uterine smooth muscle cells of the mouse causes delayed parturition", J Cell Sci, 119(9):1715-1722 (May 1, 2006: Epub April 4, 2006)		
	BI	DREYFUSS, "hnRNP proteins and the biogenesis of mRNA", Annu Rev Biochem, 62:289-321 (July 1993)		
	BJ	DUNK, "A novel in vitro model of trophoblast-mediated decidual blood vessel remodeling", Lab Invest, 83(12):1821-1828 (December 2003)		
	BK	EGGERT, "The glucocorticoid receptor is associated with the RNA-binding nuclear matrix protein hnRNP U", J Biol Chem, 272(45):28471-28478 (November 7, 1997)		
	BL	GELLHAUS, "Connexin43 interacts with NOV: a possible mechanism for negative regulation of cell growth in choriocarcinoma cells", J Biol Chem, 279(35):36931-36942 (August 27, 2004: Epub June 4, 2004)		
	BM	GELLHAUS, "Decreased expression of the angiogenic regulators CYR61 (CCN1) and NOV (CCN3) in human placenta is associated with pre-eclampsia", Mol Hum Reprod, 12(6):389-399 (June 2006: Epub May 4, 2006)		
	BN	GLASS, "The coregulator exchange in transcriptional functions of nuclear receptors", Genes Dev, 14(2):121-141 (January 15, 2000)		
	BO	GUPTA, "Effect of Labor on Glucocorticoid Receptor(GR _{Total} , GR α , and GR β) Proteins in Ovine Intrauterine Tissues" J Soc Gynaecol Investig, 10(3):136-144 (April 2003)		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/586,125
				Filing Date	July 14, 2006
				First Named Inventor	Lye et al.
				Group Art Unit	1636
				Examiner Name	Sullivan, D. M.
Sheet	3	of	6	Attorney Docket Number	MTS6USA

NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
	BP	HAN, "Insulin-like growth factor-I receptor-mediated vasculogenesis/angiogenesis in human lung development", Am J Respir Cell Mol Biol, 28(2):159-169 (February 2003)		
	BQ	HEINZEL, "A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression", Nature, 387(6628):43-48 (May 1, 1997)		
	BR	HENDERSON, "Reduced binding of progesterone receptor to its nuclear response element after human labor onset", Am J Obstet Gynecol, 185(3):579-585 (September 2001)		
	BS	ING, "Members of the steroid hormone receptor superfamily interact with TFIIB (S300-II)", J Biol Chem, 267(25):17617-17623 (September 5, 1992)		
	BT	ISHITANI, "p54nrb acts as a transcriptional coactivator for activation function 1 of the human androgen receptor", Biochem Biophys Res Commun, 306(3):660-665 (July 4, 2003)		
	BU	JANKOV, "Thromboxane A ₂ receptors mediate pulmonary hypertension in 60% oxygen-exposed newborn rats by a cyclooxygenase-independent mechanism", Am J Respir Crit Care Med, 166(2):208-214 (July 15, 2002)		
	BV	JANKOV, "Fibroblast growth factor receptor-1 and neonatal compensatory lung growth after exposure to 95% oxygen", Am J Respir Crit Care Med, 167(11):1554-1561 (June 1, 2003; Epub March 5, 2003)		
	BW	KIBSCHULL, "Connexin31-deficient trophoblast stem cells: a model to analyze the role of gap junction communication in mouse placental development", Dev Biol, 273(1):63-75 (September 1, 2004)		
	BX	KNUTTI, "PGC-1, a versatile coactivator", Trends Endocrinol Metab, 12(8):360-365 (October 2001)		
	BY	KRAMER, "The structure and function of proteins involved in mammalian pre-mRNA splicing", Annu Rev Biochem, 65:367-409 (July 1996)		
	BZ	KRAUS, "Inhibitory cross-talk between steroid hormone receptors: differential targeting of estrogen receptor in the repression of its transcriptional activity by agonist- and antagonist-occupied progesterone receptors", Mol Cell Biol, 15(4):1847-1857 (April 1995)		
	BBA	LYALL, "Expression of Gs α , connexin-43, connexin-26, and EP1, 3, and 4 receptors in myometrium of prelabor singleton versus multiple gestations and the effects of mechanical stretch and steroids on Gs α ", J Soc Gynaecol Investig, 9(5):299-307 (September-October 2002)		
	BBB	MANLEY, "SR proteins and splicing control", Genes Dev, 10(13):1569-1579 (July 1, 1996)		

Examiner Signature	Date Considered
--------------------	-----------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/586,125
				Filing Date	July 14, 2006
				First Named Inventor	Lye et al.
				Group Art Unit	1636
				Examiner Name	Sullivan, D. M.
Sheet	4	of	6	Attorney Docket Number	MTS6USA

NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	BBC	MATHER, "PSF is a novel corepressor that mediates its effect through Sin3A and the DNA binding domain of nuclear hormone receptors", Mol Cell Biol, 21(7):2298-2311 (April 2001)	
	BBD	MCKENNA, "Combinatorial control of gene expression by nuclear receptors and coregulators", Cell, 108(4):465-474 (February 22, 2004)	
	BBE	MESIANO, "Progesterone withdrawal and estrogen activation in human parturition are coordinated by progesterone receptor A expression in the myometrium", J Clin Endocrinol Metab, 87(6):2924-30 (June 2002)	
	BBF	MEYER, "A limiting factor mediates the differential activation of promoters by the human progesterone receptor isoforms", J Biol Chem, 267(15):10882-10887 (May 25, 1992)	
	BBG	MITCHELL, "Mechanical stretch and progesterone differentially regulate activator protein-1 transcription factors in primary rat myometrial smooth muscle cells", Am J Physiol Endocrinol Metab, 287:439-445 (May 4, 2004)	
	BBH	MITCHELL, "Differential expression of activator protein-1 transcription factors in pregnant rat myometrium", Biol Reprod, 67(1):240-246 (July 2002)	
	BBI	MITCHELL, "Parathyroid hormone-related protein treatment of pregnant rats delays the increase in connexin 43 and oxytocin receptor expression in the myometrium", Biol Reprod, 69(2):556-562 (August 2003: Epub April 16, 2003)	
	BBJ	MITCHELL, "Differential activation of the connexin 43 promoter by dimers of activator protein-1 transcription factors in myometrial cells", Endocrinology, 146(4):2048-2054 (April 2005: Epub Decemembr 23, 2004)	
	BBK	MYATT, "Expression, localization and function of prostaglandin receptors in myometrium", Prostaglandins, Leukotrienes Essent Fatty Acids, 70(2):137-148 (February 2004)	
	BBL	NAWAZ, "The Angelman syndrome-associated protein, E6-AP, is a coactivator for the nuclear hormone receptor superfamily", Mol Cell Biol, 19(2):1182-1189 (February 1999)	
	BBM	NEILSON, "Mifepristone for induction of labour", Cochrane Database of Systematic Reviews, 4:1-51 (October 23, 2000)	
	BBN	NORRIS, "A negative coregulator for the human ER", Mol Endocrinol, 16(3):459-468 (March 2002)	
	BBO	OLDENHOFF, "Mitogen-activated protein kinases mediate stretch-induced c-fos mRNA expression in myometrial smooth muscle cells", Am J Physiol Cell Physiol, 283:C1530-C1539 (July 3, 2002)	

Examiner Signature	Date Considered
--------------------	-----------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/586,125
				Filing Date	July 14, 2006
				First Named Inventor	Lye et al.
				Group Art Unit	1636
				Examiner Name	Sullivan, D. M.
Sheet	5	of	6	Attorney Docket Number	MTS6USA

NONPATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	BBP	PATTON, "Cloning and characterization of PSF, a novel pre-mRNA splicing factor", Genes Dev, 7(3):393-406 (March 1993)	
	BBQ	PENNELL, "Genetic epidemiologic studies of preterm birth: guidelines for research", Am J Obst Gynecol, 107-118 (February 2007)	
	BBR	PIEBER, "Interactions between progesterone receptor isoforms in myometrial cells in human labour", Mol Hum Reprod, 7(9):875-879 (September 2001)	
	BBS	PIERSANTI, "Increase in messenger ribonucleic acid encoding the myometrial gap junction protein, connexin-43, requires protein synthesis and is associated with increased expression of the activator protein-1, c-fos", Endocrinology, 136(8):3571-3578 (August 1995)	
	BBT	PLANT, "A polarity complex of mPar-6 and atypical PKC binds, phosphorylates and regulates mammalian Lgl", Nat Cell Biol, 5(4):301-308 (April 2003)	
	BBU	POWERS, "TLS (translocated-in-liposarcoma) is a high-affinity interactor for steroid, thyroid hormone, and retinoid receptors", Mol Endocrinol, 12(1):4-18 (January 1998)	
	BBV	RAC, "Meloxicam effectively inhibits preterm labor uterine contractions in a chronically catheterized pregnant sheep model: impact on fetal blood flow and fetal-maternal physiologic parameters", Am J Obstet Gynecol, 195(2):528-534 (August 2006: Epub April 19, 2006)	
	BBW	SARTORIUS, "A third transactivation function (AF3) of human progesterone receptors located in the unique N-terminal segment of the B-isoform", Mol Endocrinol, 8(10):1347-1360 (October 1994)	
	BBX	SHAV-TAL, "PSF and p54(nrb)/NonO--multi-functional nuclear proteins", FEBS Letts, 531(2):109-114 (November 6, 2002)	
	BBY	SHI, "Sharp, an inducible cofactor that integrates nuclear receptor repression and activation", Genes Dev, 15(9):1140-1151 (May 1, 2001)	
	BBZ	SHYNLOVA, "Progesterone and gravity differentially regulate expression of extracellular matrix components in the pregnant rat myometrium", Biol Reprod, 70(4):986-992 (April 2004: Epub November 26, 2003)	
	CA	SHYNLOVA, "Regulation of c-fos expression by static stretch in rat myometrial smooth muscle cells", Am J Obstet Gynecol, 186(6):1358-1365 (June 2002)	
	CB	SHYNLOVA, "Expression and localization of alpha-smooth muscle and gamma-actins in the pregnant rat myometrium", Biol Reprod, 73(4):773-780 (October 2005: Epub June 22, 2005)	
	CC	SHYNLOVA, "Myometrial apoptosis: activation of the caspase cascade in the pregnant rat myometrium at midgestation", Biol Reprod, 74(5):839-849 (May 2006: Epub January 11, 2006)	

Examiner Signature	Date Considered
--------------------	-----------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/586,125
				Filing Date	July 14, 2006
				First Named Inventor	Lye et al.
				Group Art Unit	1636
Examiner Name	Sullivan, D. M.				
Sheet	6	of	6	Attorney Docket Number	MTS6USA

NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
	CD	SPITZ, "Progesterone antagonists and progesterone receptor modulators: an overview", Steroids, 68(10-13):981-993 (November 2003)		
	CE	TCHEREPANOVA, "Modulation of estrogen receptor- α transcriptional activity by the coactivator PGC-1" J Biol Chem, 275(21):16302-16308 (May 26, 2000)		
	CF	TETEL, "Hormone-dependent interaction between the amino- and carboxyl-terminal domains of progesterone receptor in vitro and in vivo", Mol Endocrinol, 13(6):910-924 (June 1999)		
	CG	TORNBLOM, "15-hydroxyprostaglandin dehydrogenase and cyclooxygenase 2 messenger ribonucleic acid expression and immunohistochemical localization in human cervical tissue during term and preterm labor", J Clin Endocrinol Metab, 89(6):2909-2915 (June 2004)		
	CH	TSAI, "Molecular mechanisms of action of steroid/thyroid receptor superfamily members", Annu Rev Biochem, 63:451-486 (July 1994)		
	CI	URBAN, "NH ₂ terminus of PTB-associated splicing factor binds to the porcine P450 _{scc} IGF-I response element" Am J Physiol Endocrinol Metab, 283(3):E423-E427 (September 2002)		
	CJ	VEGETO, "Human progesterone receptor A form is a cell- and promoter-specific repressor of human progesterone receptor B function", Mol Endocrinol, 7(10):1244-1255 (October 1993)		
	CK	WATANABE, "A subfamily of RNA-binding DEAD-box proteins acts as an estrogen receptor alpha coactivator through the N-terminal activation domain (AF-1) with an RNA coactivator, SRA" J Embo, 20(6):1341-1352 (March 15, 2001)		
	CL	ZHAO, "Activation function-1 domain of androgen receptor contributes to the interaction between subnuclear splicing factor compartment and nuclear receptor compartment. Identification of the p102 U5 small nuclear ribonucleoprotein particle-binding protein as a coactivator for the receptor", J Biol Chem, 277(33):30031-30039 (August 16, 2002; Epub May 30, 2002)		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98.